



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--------------------------------|-------------|----------------------|---------------------|------------------|
| 10/519,144 | 12/27/2004 | Yutaka Iguchi | Q85436 | 3196 |
| 23373 7590 12/11/2008 | | | | |
| SUGHRUE MION, PLLC | | | | |
| 2100 PENNSYLVANIA AVENUE, N.W. | | | | |
| SUITE 800 | | | | |
| WASHINGTON, DC 20037 | | | | |
| EXAMINER | | | | |
| GETACHEW, ABYI | | | | |
| ART UNIT | | PAPER NUMBER | | |
| 2841 | | | | |
| MAIL DATE | | DELIVERY MODE | | |
| 12/11/2008 | | PAPER | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/519,144

Applicant(s)

IGUCHI, YUTAKA

Examiner

ABIY GETACHEW

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 13-16 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 December 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

Response to the First Office Action

1. Acknowledgement is made of response to the Office Action filed May 28, 2008.
2. Acknowledgement is made of response of August 28, 2008 is with arguments with amendments to the claims.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1- 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Saito (6,320,135 B1).
5. Regarding claim 1, Saito discloses a chip on film carrier tape (Figure 23 Element 117) including a continuous insulating film (Figure 23 Element 101, Column 4 line 49-50), a wiring pattern (Figure 23 Element 112) formed of a conductor layer (Figure 23 Element 116) provided on a surface of the insulating film (Figure 23 Element 101) , and a row of sprocket holes (Figure 23 Element 107) for use in conveyance of a film carrier tape (Figure 23 Element 117) provided on either lateral side of the wiring pattern (See figure 23, i.e. the wiring 112 of each flexible wiring substrate includes a plurality of input wires 112a and a plurality of output wires 112b) on which electronic devices (See figure 23, i.e. chips mounted on the carrier tape Element (117)) are to be mounted, characterized in that a center section of the insulating layer (Figure 23 Element 101,

Column 4 line 49-50) other than opposite longitudinal edges where the sprocket holes (Figure 23 Element 107) are formed is provided with a support film (Figure 23 Element 113) formed on another surface of the insulating film (Figure 23 Element 101), which surface is opposite to the surface on which the wiring pattern (34) is provided; and wherein the support film (Figure 23 Element 113) and the sprocket holes (Figure 23 Element 107) are not coplanar (Column 6 lines 21-27, furthermore see figures 11-26, particularly figure 12).

Regarding claims 2 and 3, Saito discloses wherein the row of sprocket holes (Figure 23 Element 107) are provided with a dummy wiring portion (Figure 23 elements 113,166, Column 6, lines 5-7) surrounding the holes (Figure 23 Element 107).

Regarding claim 4, Saito discloses wherein the tape (Figure 23 Element 117) has a predetermined distance between a longitudinal edge of the insulating layer (Figure 23 Element 101, Column 4 line 49-50) and a longitudinal edge of the dummy wiring portion (Figure 23 elements 113,166, Column 6, lines 5-7, Saito teaches the outer longitudinal edge of the metallic layer is set back from its corresponding closest longitudinal edge of the insulating layer at a predetermined distance.)

Regarding claims 5, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness which is equal to or less than that of the insulating layer (Figure 23 Element 101). (See figures 1-11 and 23 Saito teaches that the pitch with which the sprocket holes are 4.75 ± 0.04 mm. Thus, a length in the longitudinal direction of 10 to 40 mm corresponding to the three to eight said sprocket holes)

Regarding claims 6, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness which is equal to or less than that of the insulating layer (Figure 23 Element 101). (See figures 1-11 and 23 Saito teaches that the pitch with which the sprocket holes are $4.75+0.04$ mm. Thus, a length in the longitudinal direction of 10 to 40 mm corresponding to the three to eight said sprocket holes)

Regarding claims 7, Saito discloses wherein the support film (32) has a thickness which is equal to or less than that of the insulating layer (Figure 23 Element 101). (See figure 4b) (See figures 1-11 and 23 Saito teaches that the pitch with which the sprocket holes are $4.75+0.04$ mm. Thus, a length in the longitudinal direction of 10 to 40 mm corresponding to the three to eight said sprocket holes)

Regarding claims 8, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness which is equal to or less than that of the insulating layer (Figure 23 Element 101). (See figures 1-11 and 23 Saito teaches that the pitch with which the sprocket holes are $4.75+0.04$ mm. Thus, a length in the longitudinal direction of 10 to 40 mm corresponding to the three to eight said sprocket holes)

Regarding claim 9, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness of 25 to 50 Micro meters. [Column 6 lines 50-53 and Column 8 paragraph 4 lines 34-40]

Regarding claim 10, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness of 25 to 50 Micro meters. [Column 8 paragraph 4 lines 34-40]

Regarding claim 11, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness of 25 to 50 Micro meters. [Column 8 paragraph 4 lines 34-40]

Regarding claim 12, Saito discloses wherein the support film (Figure 23 Element 113) has a thickness of 25 to 50 Micro meters. [Column 8 paragraph 4 lines 34-40]

Response to Arguments

6. Applicant's arguments with respect to claim 1-12 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABIY GETACHEW whose telephone number is (571)272-6932. The examiner can normally be reached on Monday to Friday 8Am to 4:30Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DEAN REICHARD can be reached on (571)272-1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dean A. Reichard/
Supervisory Patent Examiner, Art Unit 2841

Abiy Getachew
Examiner
Art Unit 2841

A.G.
December 5, 2008

